5 4:39 PM Page 2

SAMSUNG

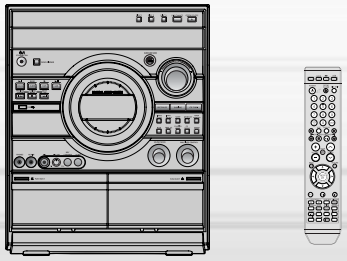
3 DVD MINI COMPONENT SYSTEM WITH USB HOST

DVD/VCD/CD/MP3-CD/CD-R/RW PLAYBACK

IS MANUFACTURED BY:

MAX-DT55
MAX-DT55G

Instruction Manual



AH68-01829B

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Warnings

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION-INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

This symbol indicates that dangerous voltage which can cause electric shock is present inside this unit.

This symbol alerts you to important operating and maintenance instructions accompanying the unit.

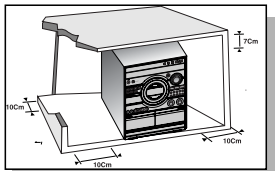
WARNING: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

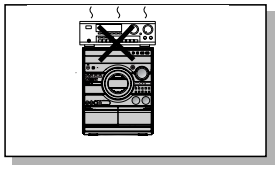
CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

H 220V SASO APPROVED PLUG. THE CUSTOMER

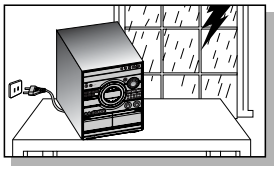
APPROVED 127V PLUG FROM THE LOCAL DEALER.

Precautions

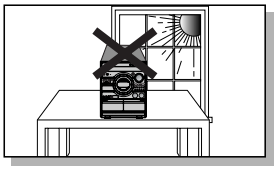




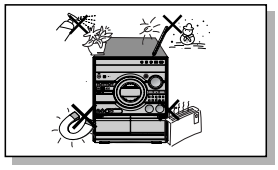
Ensure that the AC power supply in your house complies with the identification sticker located on the back of your player. Install your player horizontally, on a suitable base (furniture), with enough space around it for ventilation (3~4inches). Make sure the ventilation slots are not covered. Do not stack anything on top of the player. Do not place the player on amplifiers or other equipment which may become hot. Before moving the player, ensure the disc tray is empty. This player is designed for continuous use. Switching off the DVD player to the stand-by mode does not disconnect the electrical supply. In order to disconnect the player completely from the power supply, remove the main plug from the wall outlet, especially when left unused for a long period of time.



During thunderstorms, disconnect AC main plug from the wall outlet.
Voltage peaks due to lightning could damage the unit.



Do not expose the unit to direct sunlight or other heat sources.
This could lead to overheating and malfunction of the unit.

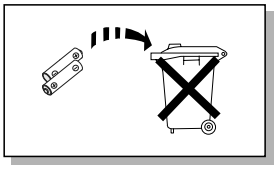


Protect the player from moisture(i.e. vases) , and excess heat(e.g.fireplace) or equipment creating strong magnetic or electric fields (i.e.speakers...). Disconnect the power cable from the AC supply if the player malfunctions. Your player is not intended for industrial use.

Use of this product is for personal use only.

Condensation may occur if your player or disc have been stored in cold temperatures.

If transporting the player during the winter, wait approximately 2 hours until the unit has reached room temperature before using.



The battery used with this product contain chemicals that are harmful to the environment.

Do not dispose of batteries in the general household trash.

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s

/FM Tuner, TAPE

oines the convenience of multi-disc playback capability,
CD-R, CD-RW,VCD,DivX,JPEG and DVD-R/RW, with
TAPE, USB HOST all in a single player.

cally brightens and darkens the
3 minutes in the stop mode.
cally switches itself into the power
he screen saver mode.

cally shuts itself off after 20 minutes in the stop mode.

splay

ou to select your favorite image during
s your background wallpaper.

Disc) offers fantastic audio and video, thanks to Dolby Digital
G-2 video compression technology. Now you can enjoy these
e, as if you were in a movie theater or concert hall.

s are coded by region. These regional codes must match in order
codes do not match, the disc will not play.
is player is given on the rear panel of the player.
DVDs that are labeled with identical region codes.)

copy protection. Because of this, you should only connect your
t to a VCR. Connecting to a VCR results in a distorted picture

rotection technology that is protected by methods claims of certain
operty rights owned by Macrovision Corporation and other rights
on technology must be authorized by Macrovision Corporation, and
d viewing uses only unless otherwise authorized by Macrovision
disassembly is prohibited.

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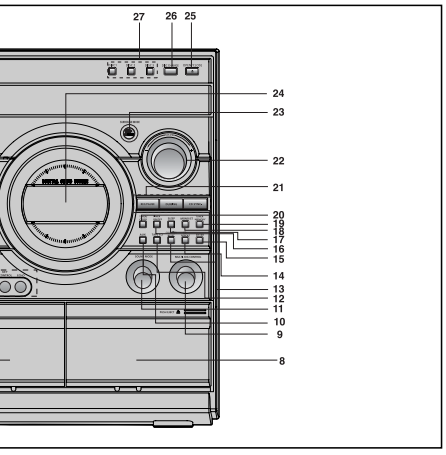
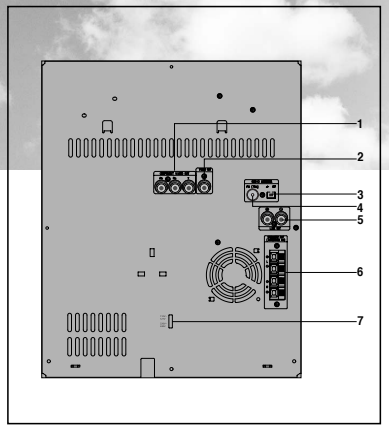


ONS
ONS
TTONS

NTROL/ECHO

16. TIMER ON/OFF
17. SLEEP
18. FM/MONO ST
19. TUNER/MEMORY
20. TIMER/CLCOK
21. REC/PAUSE/DUBBING/CD SYNCHRO
22. VOLUME CONTROL
23. P.SOUND/SURROUND MODE
24. WINDOW DISPLAY
25. OPEN/CLOSE
26. DISC CHANGE
27. DISC SELECTION BUTTONS

—Rear Panel—



1. **Component Video Output Connectors**
   Connect a TV with component video input jacks to these jacks.
2. **Video Output Connector**
   Connect the TV's video input jacks (VIDEO IN) to the VIDEO OUT connector.
3. **AM Antenna Connector**
4. **FM Antenna Connector**
5. **LINE OUT**
6. **Speaker Connector Terminals**
7. **Voltage Selector (Option)**

Accessories

Remote Control

Video Cable

AM Antenna

FM Antenna

User's Manual

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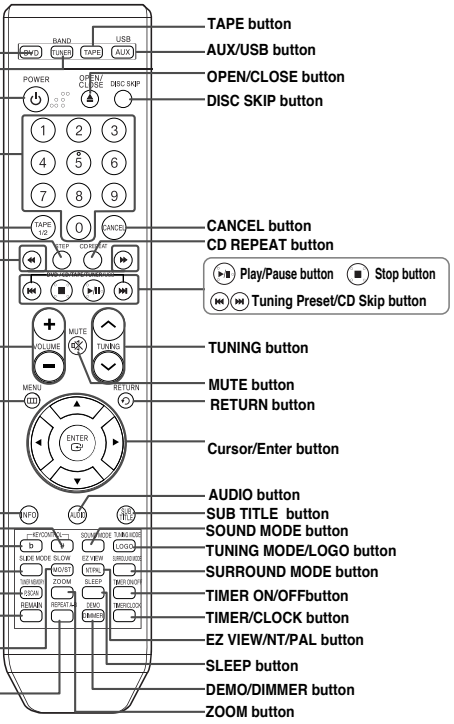
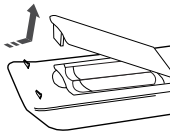
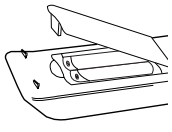


Insert Remote Batteries

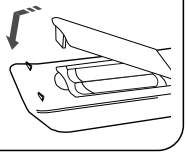
1 Remove the battery cover in the direction of the arrow.



2 Insert two 1.5V AAA batteries, paying attention to the correct polarities (+ and –).



3 Replace the battery cover.

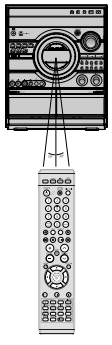


Caution **Follow these precautions to avoid leaking or cracking cells:**

- Place batteries in the remote control so they match the polarity:(+) to (+)and (–)to (–).
- Use the correct type of batteries.Batteries that look similar may differ in voltage.
- Always replace both batteries at the same time.
- Do not expose batteries to heat or flame.

Range of Operation of the Remote Control

The remote control can be used up to approximately 23 feet/7 meters in a straight line. It can also be operated at a horizontal angle of up to 30° from the remote control sensor.



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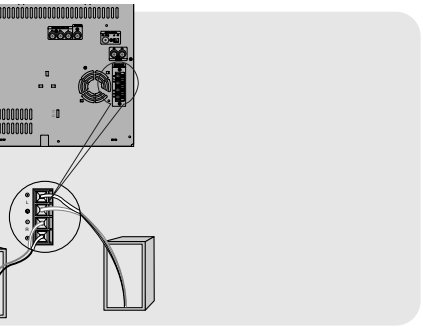
ting the Speakers

e product, be sure to turn off the power and disconnect the power cord.

of mini-compact system.



Selecting the Listening Position

The listening position should be located about 2.5 to 3 times the distance of the TV's screen size away from the TV. Example: For 32" TVs 2~2.4m (6~8feet)
For 55" TVs 3.5~4m (11~13feet)

listening
oward you.
ters will be

ter

paratus, under direct lay of light or with high humidity may cause
er.
place of pole or other unstable place to prevent any safety accident

or computer monitor.
monitor may influence the quality of the screen display.

Connecting to a TV

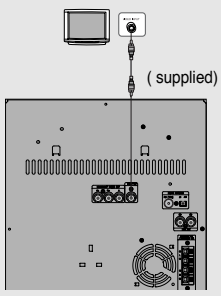
Please be sure to turn off the power and unplug the power cord before moving or installing this unit.
Please choose one of three video connection methods.

CONNECTIONS

Method 1 Using Video Out (Good Quality)

1 Connect Video Out on the player to Video In on your TV.

2 Press the TV/VIDEO button on the remote of TV control to set the TV to "VIDEO".



Note

• Composite Video: A single video signal that is a composite of the black-and-white information (Y) and the color information (C).

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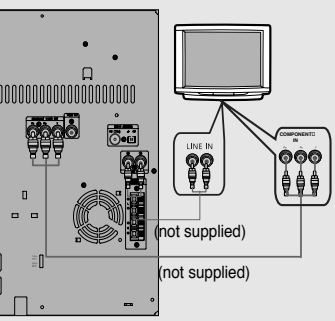
cting to a TV(Con't)

turn off the power and unplug the power cord before moving it.
e of three video connection methods.

est Quality)

ve Pr,Pb andY jacks.

Component Video inputs,connect a component
Y jacks on the back panel of the system to the
evision.



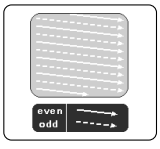
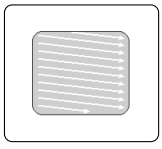
P.SCAN (Progressive Scan) Function

Unlike regular Interlace Scan, in which two fields of picture information alternate to create the entire picture (odd scan lines, then even scan lines), Progressive Scan uses one field of information (all lines displayed in one pass) to create a clear and detailed picture without visible scan lines.

Press and hold P.SCAN button on the remote controller for over 5 seconds in stop mode.

- Pressing and holding the button for over 5 seconds will select "**Progressive Scan**" and "**Interlace Scan**" repetitively.

What is Progressive (or Non-Interlaced) Scanning?

Interlaced Scan (1 FRAME = 2 FIELDS)	Progressive Scan (FULL FRAME)
	
In interlaced-scan video, a frame consists of two interlaced fields (odd and even), where each field contains every other horizontal line in the frame. The odd field of alternating lines is displayed first, and then the even field is displayed to fill in the alternating gaps left by the odd field to form a single frame. One frame, displayed every 1/30th of a second, contains two interfaced fields, thus a total of 60 fields are displayed every 1/60th of a second. The interlaced scanning method is intended for capturing a still object.	The progressive scanning method scans one full frame of video consecutively down the screen, line by line. An entire image is drawn at one time, as opposed to the interlaced scanning process by which a video image is drawn in a series of passes. The progressive scanning method is desirable for dealing with moving objects.

Note

- This function works only on TVs equipped with component video inputs (Y, Pr, Pb) that support Progressive Video. (It does not work on TVs with conventional component inputs, i.e., non-progressive scan TVs.)
- Depending on the brand and model of your TV, this function may not work.

Selecting the Video Format

Turn off the main unit and then press **NTSC/PAL** on the Remote Control or **REC/PAUSE** on the Main Unit.

- By default, the video format is set to "PAL".
- Each time the button is pressed, the video format switches between "NTSC" and "PAL".
- Each country has a different video format standard.
- For normal playback, the video format of the disc must be the same as the video format of your TV.

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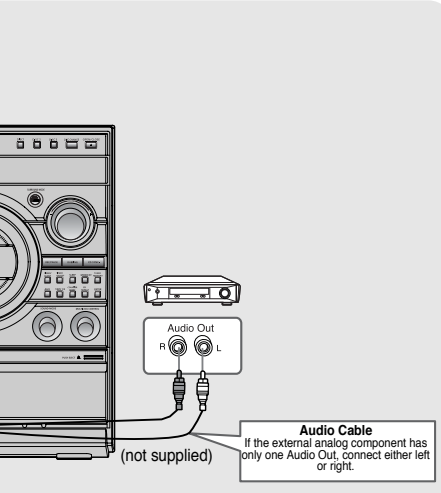
g External Components

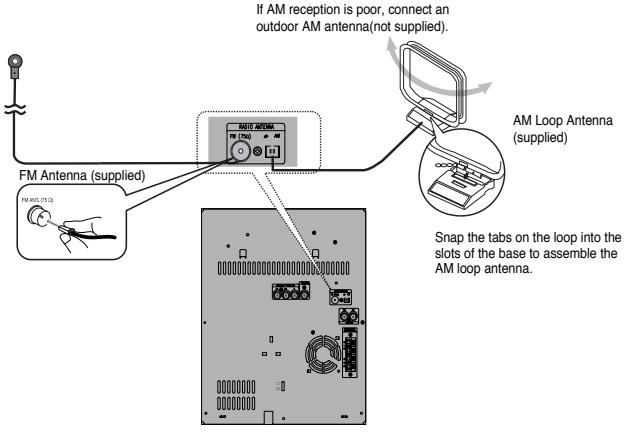
log Component

s a VCR, Camcorder, and TV.



er to Audio Out on the external analog component.

Connecting the FM, AM(MW) and Antennas


If AM reception is poor, connect an outdoor AM antenna(not supplied).
AM Loop Antenna (supplied)
FM Antenna (supplied)
Snap the tabs on the loop into the slots of the base to assemble the AM loop antenna.

CONNECTIONS

FM antenna connection

1. **Connect the FM antenna supplied to the FM 75Ω COAXIAL terminal as a temporary measure.**
2. **Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.**

• If reception is poor, connect an outdoor antenna. Before attaching a 75Ω coaxial cable (with a standard type connector), disconnect the supplied FM antenna.

AM (MW) antenna connection

1. **Connect the AM loop antenna supplied to the AM and ⏚ terminals.**
2. **If reception is poor, connect an outdoor single vinyl-covered wire to the AM terminal. (Keep the AM loop antenna connected).**

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the Clock

w seconds to set the required options.
nust start again.

2 Press **TIMER/CLOCK** twice.

CLOCK is displayed.

3 Press **ENTER**. The hour flashes.

- Increase the hours : ▶
- Decrease the hours : ◀

5 When the correct time is displayed, press **ENTER**.

"TIMER" appears in the display.
The current time is now set.

Note

- You can display the time, even when you are using another function, by pressing **TIMER/CLOCK** once.

or ⏮ ⏭ button on the panel front instead of

ime

time of a title or chapter being played.

ne the REMAIN button is pressed

VCD
CD
TRACK ELAPSED
TRACK REMAIN
TOTAL ELAPSED
TOTAL REMAIN

MP3
TRACK ELAPSED
TRACK REMAIN

Disc Playback

Selecting a CD in the Disc changer

To select a specific disc, press the corresponding **DISC (1, 2, 3)** button on the front panel or **DISC SKIP** on the remote control, until the required disc indicator flashes.
Result: All the discs will be played in turn, starting with the one selected.

- If you use the **DISC (1, 2, 3)** function when listening to the radio or to a tape, the system switches automatically to the CD mode.
- If the disc selected is not loaded, the next disc is played automatically.

OPERATION

DVD VCD CD

- Playback starts automatically.

MP3 JPEG DivX

- Playback starts automatically.
- If the TV is on, a list of MP3s on the CD will appear on the TV screen.

Note

- Depending on the content of the disc, the initial screen may appear different.
- Depending on the recording mode, some MP3-CDs cannot be played.
- Table of contents of a MP3-CD varies depending on the MP3 track format recorded on the disc.

To temporarily pause playback, press **PLAY/PAUSE** during playback.

- To resume playback, press **PLAY/PAUSE** button again.

To stop playback, press **STOP** during playback.

- If pressed once, "PRESS PLAY" is displayed and the stop position will be stored in memory. If **PLAY/PAUSE** (▶/II) button or **ENTER** button is pressed, playback resumes from the stop position. (This function works only with DVDs.)
- If pressed twice, "STOP" is displayed, and if **PLAY/PAUSE** (▶/II) button is pressed, playback starts from the beginning.

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ayback

k

button.
button, if there are over

button, if there are over

n.
back,

Press Cursor ▲, ▼, ◀, ▶ buttons to move to the area you want to enlarge.

e • DivX files can be played in Zoom X2 mode only.

5 Minute Skip function

During playback, press the ◀, ▶ button.

- Go to the screen about 5 minutes after whenever you press ▶ button.
- Go to the screen about 5 minutes earlier whenever you press ◀ button.

Subtitle Display

Press the **SUBTITLE** button.

- Each time you press the button, your selection will toggle between "**SUBTITLE ON**" and "**SUBTITLE OFF**".
- If the disc has only one subtitle file, it will be played automatically.
- Up to 8 subtitle languages are supported.

OPERATION

DivX Feature Table

DivX Supported
Avi files are used to contain the audio and video data; these must be stored on CD in the ISO 9660 format.

		SPEC
VIDEO Compatibility	DivX3.11	Up to the latest VERSION
	WMV	WMV V1/V2/V3/V7
AUDIO Compatibility	MP3	CBR : 80kbps~320kbps
	AC3	CBR : 128kbps~448kbps
	WMA	CBR : 56kbps~160kbps

MPEGs containing DivX can be divided into Video and Audio.

- **Video compatibility** : All versions of DivX later than 3.11 (including the latest 5.1) are supported. In addition, XviD is supported. For WMV, V1, V2, V3, and V7 formats are possible.
- **Audio compatibility** : MP3s encoded at bitrates from 80kbps to 320kbps, AC3s from 128kbps to 448kbps, and WMAs from 56kbps to 160kbps are supported.
- **In addition, for subtitles, this unit will support Text format (SMI).**

Note

- When playing the DivX disk, you can play the file with extension of AVI only.
- Among the available DivX audio formats, DTS Audio is not supported.
- WMV V8 is not supported for WMV files.
- When burning a subtitle file to a CD-ROM with your PC, be sure to burn it as an SMI file.

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edia Files using the USB feature

play files from external USB storage devices such as MP3 players, USB flash memory, USB function.

2 Press the USBbutton on the main unit or the **USB/AUX** button on the remote control to select the USB mode.

- "**USB**" appears on the display screen and then disappear.
- USB SORTING screen appears on the TV screen and the saved file is played.

STOP (■) button.

tc.) are supported.
n the USB device, please turn the unit off or sconnecting the USB cable.

USB menu screen,

- Music File Icon
- Image File Icon
- All File Icon
- Movie File Icon

when it is in stop status and he top part of the menu.

Icon.
Icon.

Icon.

Skip Forward/Back

During playback, press the ⏮ ⏭button.

- When there is more than a file, when you press the ⏭button, the next file is selected.
- When there is more than a file, when you press the ⏮button, the previous file is selected.

Fast playback

To play back the disc at a faster speed, press and hold ⏮ or⏭ during playback.

- Each time you press and hold either button, the playback speed will change as follows: 2x → 4x → 8x → 32x → Normal.

Compatible Devices

1. USB devices that support USB Mass Storage v1.0. (USB devices that operate as a removable disk in Windows (2000 or later) without additional driver installation.)
2. MP3 Player: HDD and flash type MP3 player.
3. Digital camera: PTP protocol is not supported.
   - Devices which require additional program installation when you have connected it to a computer, are not supported.
4. USB HDD and USB Flash Drive: Devices that support USB2.0 or USB1.1.
   - You may experience a difference in playback quality when you connect a USB1.1 device.
   - For a USB HDD, make sure to connect an auxiliary power cord to the USB HDD for proper operation.
5. USB card Reader: One slot USB card reader and Multi slot USB card reader
   - Depending on the manufacturer. the USB card reader may not be supported.
   - If you install multiple memory devices into a multi card reader, you may experience problems.

• Supported Formats

	File name	File extension	Bit rate	Version	Pixel	Sampling Frequency
Still Picture	JPG	.JPG .JPEG	–	–	640*480	–
Music	MP3	.MP3	80~384kbps	–	–	44.1kHz
	WMA	.WMA	56~128kbps	V8	–	44.1kHz
Movie	VCD	MPG.MPEG .DAT	1.5Mbps	VCD1.1,VCD2.0	320*480	44.1KHz
	WMV	WMV	4Mbps	V1,V2,V3,V7 (V9 is not supported)	720*480	44.1KHz~48KHz
	DivX	.AVI,.ASF	4Mbps	DivX3.11~DivX5.1,Xvid	720*480	44.1KHz~48KHz

• A device using NTFS file system is not supported.(Only FAT file system is supported.)

The USB host function of this product does not support all USB devices.
For the information on the supported devices,pls see the P65

OPERATION

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ng Disc Information

nation on the disc on the TV screen.

changes as follows:

CD | CD

Display disappears

MP3 | JPEG | DivX

Display disappears

What is a Title?
A movie contained in a DVD disc.

What is a Chapter?
Each title on a DVD disc is divided into several smaller sections called "chapters".

appears on the TV screen!
If this symbol appears on the TV screen while buttons are being operated, that operation is not possible with the disc currently being played.

What is a Track (File)?
A section of video or a music file recorded on a VCD, CD, or MP3-CD.

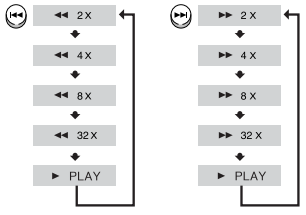
TRACK (FILE) display | AUDIO LANGUAGE display | DOLBY DIGITAL display
ELAPSED TIME display | SUBTITLE display | ANGLE display
REPEAT PLAYBACK display | LR STEREO (L/R) display | DivX display

Fast/Slow Playback

Fast Playback DVD VCD CD MP3

Press and hold ⏮◀◀ ▶▶⏭.

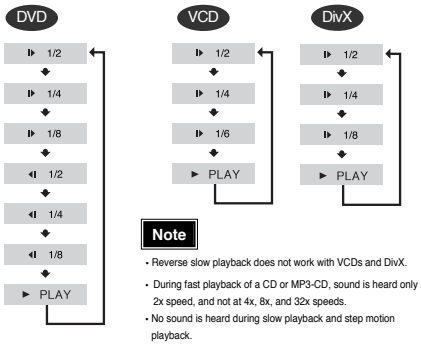
- Each time the button is held down during playback, the playback speed changes as follows:



Slow Playback

Press **SLOW** button.

- Each time the button is pressed during playback, the playback speed changes as follows:



Note

- Reverse slow playback does not work with VCDs and DivX.
- During fast playback of a CD or MP3-CD, sound is heard only at 2x speed, and not at 4x, 8x, and 32x speeds.
- No sound is heard during slow playback and step motion playback.

OPERATION

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g Scenes/Songs

uring playback, the previous or next chapter,
vely.

VCD

MP3

When watching a VCD with a track
onger than 15 minutes, each time
◀◀ ▶▶| is pressed, playback
vill skip back or forward 5 minutes.

DVD

ach time the

Angle Function

This function allows you to view the same scene in different angles.

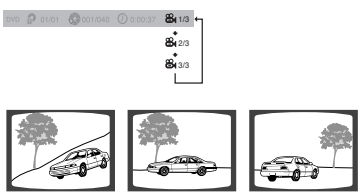
DVD

1 Press **INFO** button.

2 Press Cursor ▶ button to move to ANGLE display.

3 Press Cursor ▲, ▼ buttons or numeric buttons to select the desired angle.

• Each time the button is pressed, the angle changes as follows:



Note • The Angle function works only with discs on which multiple angles have been recorded.

OPERATION

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Playback

o repeatedly play a chapter, title, track (song), or directory (MP3 file).

ack, the repeat playback mode changes as follows:

MP3 JPEG

REPEAT : RANDOM
↓
REPEAT : TRACK
↓
REPEAT : DIR
↓
REPEAT : DISC
↓
REPEAT : OFF

Repeat Playback Options

CHAPTER
Repeatedly plays the selected chapter.

TITLE
Repeatedly plays the selected title.

RANDOM
Plays tracks in random order.
(A track that has already been played may be played again.)

TRACK
Repeatedly plays the selected track.

DIR
Repeatedly plays all tracks in the selected folder.

DISC
Repeatedly plays the entire disc.

OFF
Cancels Repeat Playback.

CD discs if PBC is turned on.
the PBC to OFF in the disc menu. (See page 33.)

DVD VCD CD

To Select a Repeat Playback Mode in the Disc Information Screen

1 Press **INFO** button twice .

•For a VCD or CD,Press INFO button once.

2 Press Cursor ▶ button to move to REPEAT PLAYBACK display.

3 Press Cursor ▼ button to select the desired Repeat Playback mode.

DVD

VCD CD

4 Press **ENTER** button.

Note

• For MP3 and JPEG discs, you cannot select Repeat Play from the information display screen.

OPERATION

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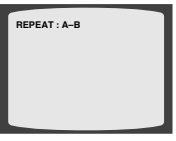
epeat Playback

Press **REP. A↔B** at the end of the section.



press **REP. A↔B** to
OFF".

MP3 and JPEG discs.
information display screen,

Zoom Function

This function allows you to enlarge a particular area of the displayed image.

Zoom (Screen Enlarge) Function DVD VCD

1 Press **ZOOM** button.

2 Press Cursor ▲,▼, ◀,▶ buttons to move to the area you want to enlarge.

3 Press **ENTER** button.

- Each time the button is pressed, the zoom level changes as follows:

ZOOM X 1.5 → ZOOM X 2 → ZOOM X 3 → ZOOM OFF

Aspect Ratio DVD

Press **EZ VIEW** button.

- Each time the button is pressed, the zoom function will switch between On and Off.
- When a movie is played in Wide screen format, black bars at the top and bottom of the TV screen can be removed by pressing the **EZ VIEW** button.

Note

- This function will not work if the DVD is recorded with multi-camera angle format.
- Black bars may not disappear because some DVD discs have a built-in horizontal to vertical ratio.

OPERATION

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Audio/Subtitle Language

on Function DVD

Press Cursor ▲, ▼ buttons or numeric buttons to select the desired audio language.

pending on the number of languages on a VD disc, a different audio language (ENGLISH, AIN,JAPANESE, etc.) is selected each time e button is pressed.

ction Function DVD

Press Cursor ▶ button to move to SUBTITLE display.

an use the SUBTITLE button on the e control to select a subtitle age.
ding on the disc, the Subtitle and Language functions may not work.

Moving Directly to a Scene/Song

DVD VCD CD

1 Press **INFO** button.

Moving to a Title/Track

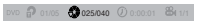
2 Press Cursor ▲, ▼ buttons or numeric buttons to select the desired title/track and then press **ENTER** button.

Moving to a Chapter

3 Press Cursor ◀, ▶ buttons to move to Chapter display.

Moving to a Chapter

4 Press Cursor ▲, ▼ buttons or numeric buttons to select the desired chapter and then press **ENTER** button.



Moving to a Specific Time

5 Press Cursor ◀, ▶ buttons to move to time display.

Moving to a Specific Time

6 Press the numeric buttons to select the desired time and then press **ENTER** button.

MP3 JPEG

Press the **numeric** buttons.

- The selected file will be played.
- An MP3 or JPEG disc cannot be moved from the disc information screen.
- When playing an MP3 or JEPG disc, you cannot use ▲ ,▼ to move a folder. To move a folder, press ■ (Stop) and then press ▲ ,▼ .

Note

- You can press ⏮ ⏭ on the remote control to move directly to the desired title, chapter, or track.
- Depending on the disc, you may not be able to move to the selected title or time.

OPERATION

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ile Playback JPEG

tal camera or camcorder, or JPEG files on a PC can be
ed back with this DVD player.

the disc tray.

E button.

con.

akes the transition as follows:

o bottom

m to top

ar shape in the center

rtain shape

a new image is displayed, slide modes
be randomly and automatically be applied.

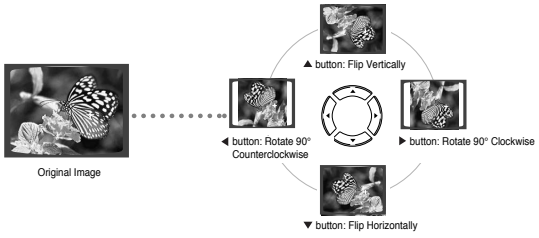
e slide mode.

ress ◀◀, ▶▶ to skip to the next slide.

Each time the button is pressed, the slide moves backward or forward.

Rotate/Flip Function

Press Cursor ▲, ▼, ◀, ▶ buttons during playback.


▲ button: Flip Vertically
◀ button: Rotate 90° Counterclockwise
▶ button: Rotate 90° Clockwise
▼ button: Flip Horizontally
Original Image

OPERATION

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isc Menu

e audio language, subtitle language, profile, etc.
m disc to disc.

Press Cursor ▲, ▼buttons to move to 'DISC MENU' and then press **ENTER** button.

hen you select the disc menu that is not pported by the disc, the "**This menu is not pported**" message appears on the screen.

Press **ENTER** button.

ect and view various scenes according to the menu screen.
c is played back according to the menu screen. Some functions may be isabled, select "PBC OFF" to enable them.
sc is played back in the same way as with a music CD.

Using the Title Menu

For DVDs containing multiple titles, you can view the title of each movie.
Depending on the disc, this function may either not work at all or may work differently.

DVD

1 Press **MENU** button.

2 Press Cursor ▲, ▼ button to move to 'Title Menu'.

3 Press **ENTER** button.

• The title menu appears.

Press **MENU** button to exit the setup screen.

OPERATION

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he Language

h by default.

2 Press Cursor▼ button to move to 'Setup' and then press **ENTER** button.

3 Press **ENTER** button.

5 Press Cursor ▲, ▼ button to select the desired language and then press **ENTER** button.

• Once the setup is complete, if the language was set to English, OSD will be displayed in English.

Note

• To select other language, select OTHER and enter the language code of your country. (See 36 page for language code of countries)
AUDIO, SUB TITLE and DISC MENU language can be selected.

ng the
anguage
n the disc)

Selecting the
Subtitle Language
(recorded on the disc)

Selecting the Disc Menu Language (recorded on the disc)

* If the language you selected is not recorded on the disc, menu language will not change even if you set it to your desired language.

urn to the previous level.

the setup screen.

Language Code List

Enter the appropriate code number for the initial settings "Disc Audio", "Disc Subtitle" and/or "Disc Menu" (See page 33).

Code	Language	Code	Language	Code	Language	Code	Language
1027	Afar	1181	Frisian	1334	Latvian, Lettish	1506	Slovenian
1028	Abkhazian	1183	Irish	1345	Malagasy	1507	Samoan
1032	Afrikaans	1186	Scots Gaelic	1347	Maori	1508	Shona
1039	Amharic	1194	Galician	1349	Macedonian	1509	Somali
1044	Arabic	1196	Guarani	1350	Malayalam	1511	Albanian
1045	Assamese	1203	Gujarati	1352	Mongolian	1512	Serbian
1051	Aymara	1209	Hausa	1353	Moldavian	1513	Siswati
1052	Azerbaijani	1217	Hindi	1356	Marathi	1514	Sesotho
1053	Bashkir	1226	Croatian	1357	Malay	1515	Sundanese
1057	Byelorussian	1229	Hungarian	1358	Maltese	1516	Swedish
1059	Bulgarian	1233	Armenian	1363	Burmese	1517	Swahili
1060	Bihari	1235	Interlingua	1365	Nauru	1521	Tamil
1069	Bislama	1239	Interlingue	1369	Nepali	1525	Tegulu
1066	Bengali; Bangla	1245	Inupiak	1376	Dutch	1527	Tajik
1067	Tibetan	1248	Indonesian	1379	Norwegian	1528	Thai
1070	Breton	1253	Icelandic	1393	Occitan	1529	Tigrinya
1079	Catalan	1254	Italian	1403	(Afan) Oromo	1531	Turkmen
1093	Corsican	1257	Hebrew	1408	Oriya	1532	Tagalog
1097	Czech	1261	Japanese	1417	Punjabi	1534	Setswana
1103	Welsh	1269	Yiddish	1428	Polish	1535	Tonga
1105	Danish	1283	Javanese	1435	Pashto, Pushto	1538	Turkish
1109	German	1287	Georgian	1436	Portuguese	1539	Tsonga
1130	Bhutani	1297	Kazakh	1463	Quechua	1540	Tatar
1142	Greek	1298	Greenlandic	1481	Rhaeto-Romance	1543	Twi
1144	English	1299	Cambodian	1482	Kirundi	1557	Ukrainian
1145	Esperanto	1300	Kannada	1483	Romanian	1564	Urdu
1149	Spanish	1301	Korean	1489	Russian	1572	Uzbek
1150	Estonian	1305	Kashmiri	1491	Kinyarwanda	1581	Vietnamese
1151	Basque	1307	Kurdish	1495	Sanskrit	1587	Volapuk
1157	Persian	1311	Kirghiz	1498	Sindhi	1613	Wolof
1165	Finnish	1313	Latin	1501	Sangro	1632	Xhosa
1166	Fiji	1326	Lingala	1502	Serbo-Croatian	1665	Yoruba
1171	Faeroese	1327	Laothian	1503	Singhalese	1684	Chinese
1174	French	1332	Lithuanian	1505	Slovak	1697	Zulu

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V Screen type

1 Press **MENU** button.

2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'TV DISPLAY' and then press **ENTER** button.

4 Press Cursor ▲,▼ button to select the desired item and then press **ENTER** button.

- Once the setup is complete, you will be taken to the previous screen.

ess **RETURN** button to return to the previous level.

ess **MENU** button to exit the setup screen.

Adjusting the TV Aspect Ratio (Screen Size)

The horizontal to vertical screen size ratio of conventional TVs is 4:3, while that of wide screen and high definition TVs is 16:9. This ratio is called the aspect ratio. When playing DVDs recorded in different screen size, you should adjust the aspect ratio to fit your TV or monitor.

✶ For a standard TV, select either "4:3LB" or "4:3PS" option according to personal preference. Select "16:9" if you have a wide screen TV.

WIDE : Select this to view a 16:9 picture in the full-screen mode on your wide screen TV.
- You can enjoy the wide screen aspect.

4:3LB (4:3 Letter box) : Select this to play a 16:9 picture in the letter box mode on a conventional TV.
- Black bars will appear at the top and bottom of the screen.

4:3PS (4:3 Pan&Scan) : Select this to play a 16:9 picture in the pan & scan mode on a conventional TV.
- You can see the central portion of the screen only (with the sides of the 16:9 picture cut off).

Note
- If a DVD is in the 4:3 ratio, you cannot view it in wide screen.
- Since DVD discs are recorded in various image formats, they will look different depending on the software, the type of TV, and the TV aspect ratio setting.

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ntal Controls (Rating Level)

of adult or violent DVDs you do not want children to view.

2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'PARENTAL' and then press **ENTER** button.

5 Enter the password and then press **ENTER** button.

- The password is set to "7890" by default.
- Once the setup is complete, you will be taken to the previous screen.

Note

- This function works only if a DVD disc contains the rating level information.

ss **RETURN** button to return to the previous level.

ss **MENU** button to exit the setup screen.

Setting the Password

You can set the password for the Parental (rating level) setting.

1 Press **MENU** button.

2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'PASSWORD' and then press **ENTER** button.

4 Press **ENTER** button.

5 Enter the password and then press **ENTER** button.

- Enter the old password, a new password, and confirm new password.
- The setting is complete.

Press **RETURN** button to return to the previous level.

Press **CANCEL** button to cancel the error numeric when you inputting password.

Press **MENU** button to exit the setup screen.

SETUP

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he Wallpaper JPEG DVD

D, JPEG CD, you can set the image you like as a wallpaper.

per

2 Press **LOGO** button.

• "COPY LOGO DATA" will be displayed on the TV screen.

be displayed.
2 to set up to

urn on
he display

he
age as

Select this to set the desired image as your wallpaper.

To Change the Wallpaper

1 Press **MENU** button.

2 Press Cursor ▼ button to move to 'Setup' and then press **ENTER** button.

3 Press Cursor ▼ button to move to 'LOGO' and then press **ENTER** button.

4 Press ▼ to select the desired 'USER', and then press **ENTER**.

5 Press **MENU** button to exit the setup screen.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

SETUP

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e DRC (Dynamic Range Compression)

tion to enjoy Dolby Digital sound when watching movies at

1 Press **MENU** button.

2 Press Cursor ▼ button to move to 'Audio' and then press **ENTER** button.

3 If "**DRC**" is selected, press **ENTER**.

4 Press Cursor ▲, ▼ to adjust the 'DRC'.

- The more times the Cursor ▲ button is pressed, the greater the effect, and the more times Cursor ▼ button is pressed, the smaller the effect.

Press **RETURN** button to return to the previous level.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

AV SYNC Setup

Video may look slower than the audio if it is connected with digital TV.
In this case, adjust the delay time of audio to optimal status to fit the video.

1 Press the **MENU** button.

- Setup menu appears.

2 Press Cursor ▲, ▼ buttons to move to 'Audio' and then press **ENTER** button.

3 Press Cursor ▲, ▼ buttons to move to 'AV-SYNC' and then press **ENTER** button.

- AV-SYNC screen appears.

4 Press Cursor ▲, ▼ buttons to select the Delay Time of AV-SYNC and then press the **ENTER** button.

- You can set the audio delay time between 0 ms and 300 ms. Set it to the optimal status.

Press **RETURN** button to return to the previous level.

Press **MENU** button to exit the setup screen.

SETUP

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g to Radio

n band (FM, MW broadcast stations) by using either
ning operation.

2 Tune in to the desired station.

Automatic Tuning 1 Press ⏮ ⏭ button to select the preset station.

Automatic Tuning 2 Press and hold TUNING button to automatically search the band.

Manual Tuning Briefly press TUNING button to increase or decrease the frequency incrementally.

2 Select a broadcast station.

Automatic Tuning 1 Press the **STOP** (■) button to select PRESET and then press ⏮ ⏭ button or turn Multi Jog Knob to select the preset station.

Automatic Tuning 2 Press the **STOP** (■) button to select "**AUTO**" and then press and hold ⏮ ⏭ button or turn Multi-Jog Knob to automatically search the band.

Manual Tuning Press **STOP** (■) to select MANUAL and then briefly press ⏮ ⏭ or turn Multi Jog Knob to tune in to a lower or higher frequency.

ss **MONO/ST** button to listen in Mono/Stereo.
(applies only when listening to an FM station.)
ch time the button is pressed, the sound switches between "STEREO" and "MONO".
a poor reception area, select MONO for a clear, interference-free broadcast.

Presetting Stations

You can store up to:

- 15 FM stations
- 15 AM stations

Example: Presetting FM 89.1 in the memory

1 Press the **TUNER(BAND)** button and select the FM band.

- Each time the button is pressed, the band switches between "FM → MW ".

2 Press TUNING to select "89.10".

- Refer to Step 2 on page 41 to automatically or manually tune in to a station.

3 Press the **TUNER MEMORY** button.

- "**PRGM**" flashes in the display.

4 Press ⏮ ⏭ to select preset number.

- You can select between 1 and 15.

5 Press the **TUNER MEMORY** button.

- Press the **TUNER MEMORY** button before '**PRGM**' disappears from the display.
- '**PRGM**' disappears from the display and the station is stored in memory.

6 To preset another station, repeat steps 2 to 5.

To tune in to a preset station, press ⏮ ⏭ on the remote control to select a channel.

RADIO OPERATION

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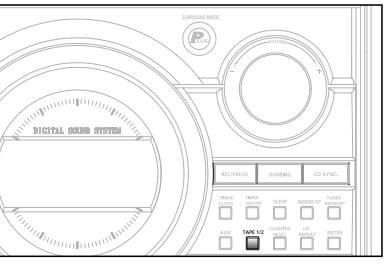
g to a Cassette

s with care; refer, if necessary, to the section entitled Audio Cassettes" on page 59.



2 Press **TAPE** on the player to select the Tape function.

3 Press the **PUSH EJECT** (⏏) of the cassette tape to open the cassette door and insert a cassette.

- Insert a cassette with the recording/playback side facing the cassette holder, and then push the cassette door shut.

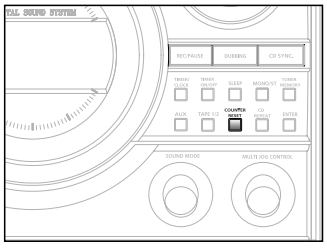
5 Press the ⏮ , ⏭ button if necessary.

- Rewind the cassette ⏮ / DOWN button.
- Fast-forward the cassette UP / ⏭ button.

6 When you have finished playback, press **STOP** button.

Tape Counter

When playing a cassette in one of the cassette decks, a counter is displayed to enable you to take note of the counter value at the start of each track to start playback at the beginning of the track to which you wish to listen.



- Before starting to record a cassette for which you wish to take note of the counter values at the beginning of each track, reset the counter by pressing **COUNTER RESET** .
- Each cassette deck has a separate counter.

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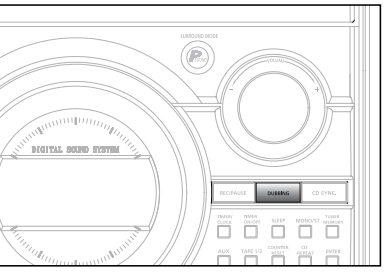
ette(Dubbing)

m Tape 1 to Tape 2.
ecting Tape function mode.
e volume, as it has no effect on the recording.
pe to be copied in Tape 2, as it will be erased when



2 Insert a blank cassette in **Tape 2**.

3 Insert the tape to be copied in **Tape1**.

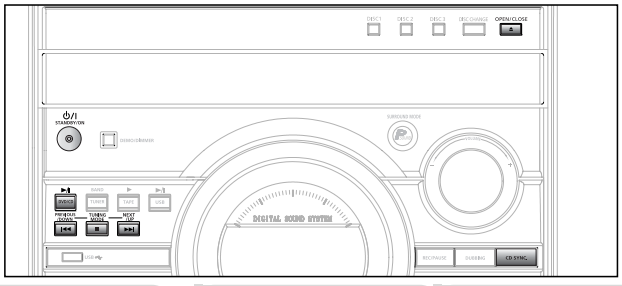
5 Press **STOP** button.

Recording a Compact Disc

You can record a compact disc on a cassette in two different ways:

Synchronised recording

This feature enables you to synchronize the start of the recording with the start of the disc or track of your choice.



1 Switch the system on by pressing **STANDBY/ON**.

2 Insert a blank cassette in Tape 2.

- Press the **PUSH/EJECT** button (⏏) to open the cassette door, insert a cassette, and then close the cassette door.
- Insert the cassette with the safety tabs.

3 Load a compact disc.

- Press the **OPEN/CLOSE** button (⏏) to open the CD door.
- Insert a CD and press the **OPEN/CLOSE** button (⏏) to close the CD door.

4 Press the **DVD/CD** (▶/❚❚) button.

- Use the CD selection (⏮, ⏭) buttons to select the desired song.

5 Press **CD SYNCHRO** button.

- When stopped, press the button to start the recording from the first piece of music.
- Press and hold **CD/SYNCHRO** button during the playback of CD to start the recording from the first part of the music being played.

6 To stop recording, press ■ button.

Note

- You can use **CD/SYNCHRO** button only in CD Playback Mode.

MISCELLANEOUS

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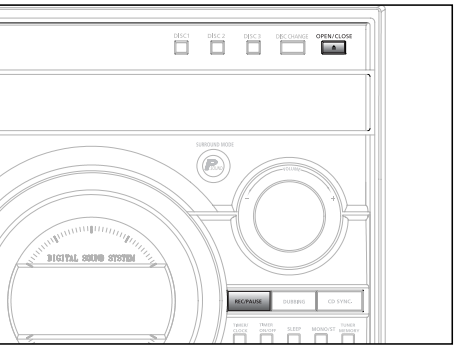
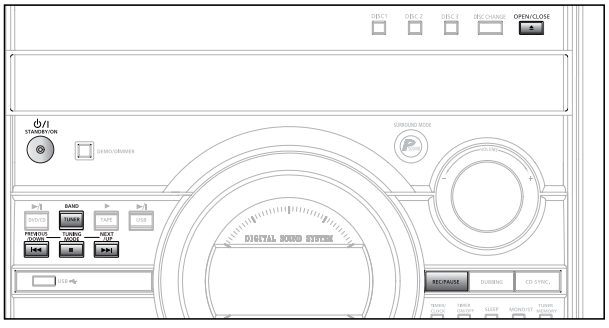
Recording a Radio Program

You can record a radio program of your choice.
You do not need to adjust the volume, as it has no effect on the recording.

nables you to start recording with any track on the compact disc.





2 Insert a blank cassette in Tape 2.

Press the **PUSH/EJECT** button (⏏) o open the cassette door, insert a cassette, and then close the cassette door.
nsert the cassette with the safety abs.

3 Load a compact disc.

- Press the **OPEN/CLOSE** button (⏏) to open the CD door.
- Insert a CD and press the **OPEN/CLOSE** button (⏏) to close the CD door.

5 Press **REC/ PAUSE** button.

- Recording will begin.
- To stop recording, press ■ button.

Note

- The cassette tape you want to record on must have the safety tabs intact.

1 Switch the system on by pressing **STANDBY/ON**.

2 Insert a blank cassette in Tape 2.

3 Select the TUNER function by pressing **TUNER/BAND**.

4 Select the radio station that you wish to record by pressing **I◄◄/DOWN** or **UP/ ►►I** button .

5 Press(**REC/PAUSE**) button.

- **REC** is displayed in red and recording starts.

6 To stop recording, press ■ button.

MISCELLANEOUS

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nction

itch the system on or off at specific times.
stem to be switched on or off automatically, you must cancel the timer.
ck that the current time is correct.
ew seconds to set the required options.
must start again.

ery morning.

2 Press **TIMER/CLOCK** until TIMER is displayed.

3 Press the **ENTER** button.

- **ON TIME** is displayed (instead of the equalizer symbols) for a few seconds, followed by any switch-on time already set; you can set the timer switch-on time.

5 Set the timer switch-off time.

Set the hour by pressing ◀ or ▶ button.
Press **ENTER**.
- The minutes flash.

Set the minutes by pressing ◀ or ▶ button.
Press **ENTER**.
- **VOL 10** is displayed, where 10 corresponds to the volume already set.

6 Press ◀ or ▶ button to adjust the volume level and press **ENTER**.

- The source to be selected is displayed.

8 Press **ENTER** to confirm the timer.

9 Press **STANDBY/ON** to set the system to standby mode.

- ◷ is displayed to the top right of the time, indicating that the timer has been set.
- The system will switch on and off automatically at the required times.

nd off times are identical, the word **ERROR** is displayed.

Jog or ⏮ ⏭ button to instead ◀ , ▶ button on the remote control in step 4,5,6,7.

Canceling the Timer

After having set the timer, it will start automatically as shown by the TIMER indication on the display.
If you no longer wish to use the timer, you must cancel it.

To cancel the timer, press **TIMER ON/OFF** once.

- ◷ is no longer displayed.

To resume the timer, press **TIMER ON/OFF** again.

- ◷ is displayed again.

Note

- You can cancel the timer while the power is on or while the player is in standby.

MISCELLANEOUS

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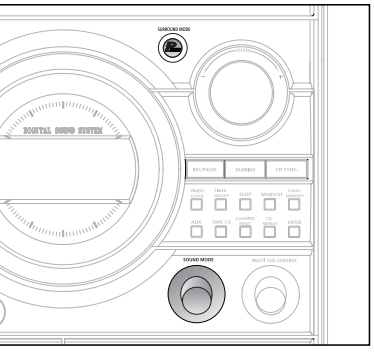
ROUND MODE and Function



MODE

h the function
ound XT.
nd /Power
h key or bass
ful real sound.

MODE

on the front
displayed.
D MODE

Selecting SOUND MODE

Your mini-compact system is equipped with a preset equalizer that allows you to choose the most appropriate balance between treble and bass frequencies, according to the type of music you are listening to.

Turn **SOUND MODE** on the front panel or Press **SOUND MODE** on the remote control until the required option is selected.

To obtain a...	Select...
Normal balance (linear)	PASS
Balance suitable for pop music	POP
Balance suitable for rock music	ROCK
Balance suitable for classic music	CLASSIC
Balance suitable for hall	HALL
Balance suitable for live	LIVE
Balance suitable for cinema	CINEMA

Sleep Timer Function / Mute Function

Sleep Timer Function

You can set the time that the DVD player will shut itself off.

Press **SLEEP** button.

- Each time the button is pressed, the selection changes as follows:
  90 MIN → 60 MIN → 45 MIN → 30 MIN → 15 MIN → OFF.

To confirm the sleep timer setting, press **SLEEP** button.

- The remaining time before the DVD player will shut itself off is displayed.
- Pressing the button again changes the sleep time from what you have set earlier.

To cancel the sleep timer, press **SLEEP** button until OFF appears on the display.

Mute Function

This is useful when answering a doorbell or telephone call.

Press **MUTE** button.

- **'MUTE'** appears in the display.
- To turn off mute, press the button again.

MISCELLANEOUS

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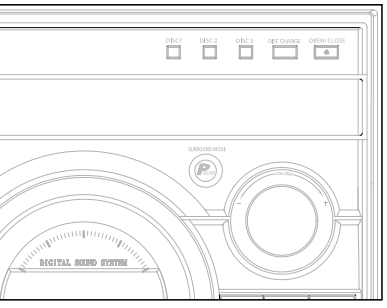
nction / DIMMER Function



DIMMER Function

You can adjust the brightness of the display on the main unit so it won't interfere with your movie viewing.

Press **DEMO/DIMMER** button.

- Each time the button is press, the brightness changes as follows: **DIMMER ON(Dim) → DIMMER OFF(Bright)**.

on

on.

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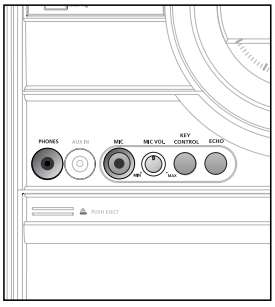
he

Connecting Headphones/Microphone(option)

You can connect a set of headphones to your micro component system so that you can listen to music or radio programmers without disturbing other people in the room. The earphones must have a 3.5ø jack or an appropriate adapter.



Connect the headphones to the **PHONES** jack on the front panel.

- The loudspeakers are no longer used to output the sound.

Note

- Prolonged use of headphones at a high volume may damage your hearing.

Plug the microphone with a 6.3ø MIC jack into microphone terminal.

- Connect the Microphone.
- Turn the **MIC LEVEL** knob to adjust the **MIC** volume.
- Press the **ECHO** button to select ECHO1,ECHO2, and ECHO OFF.
- During using the microphone ,you can press the **REC/PAUSE** button to record your favorite.

Key Control

You can easily do song search on screen without viewing the song list book.

Key Control

Press the **KEY CONTROL** button to adjust the key to your voice. The (-3~+3)7 steps key control you can select .

Result: Each time the **KEY CONTROL** *#*, ***b*** button is pressed, the following appears on the TV screen:
b : Low-Pitched
 # : High-Pitched

- Each time **#** button is pressed, the key is increased, and each time **b** button is pressed, the key is decreased .
- The funtion only can available for CD/VCD in stop mode when microphone is connect,it can not available for DVD and MP3 .
- The function for "key control" can not disappear immediately if you unplugged MIC.

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n Handling and Storing Discs

isc may reduce sound and picture quality or cause breaks in careful not to scratch discs when handling them.

touch the playback side of the disc. Hold c by the edges so that fingerprints will not the surface.
stick paper or tape on the disc.

Discs

ou get fingerprints or dirt on the disc, clean it ild detergent diluted in water and wipe with a th.
eaning, wipe gently from the inside to the outside of the disc.

ation may form if warm air comes into contact with cold parts player. When condensation forms inside the player, the player perate correctly. If this occurs, remove the disc and let the nd for 1 or 2 hours with the power on.

ng Audio Cassettes

s sufficiently taut.
ou wish to keep, remove the safety tab on the upper edge of the e the tab has been broken, simply cover the opening with adhesive

ssette, always put it back in its case.
, out of direct sunlight, where they will not be exposed to high

s they place unnecessary strain on the tape mechanism.

Before Calling for Service

Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off the unit, disconnect the power cord, and contact the nearest authorized dealer or Samsung Electronics Service Center.

Symptom	Check/Remedy
Disc tray does not open.	• Is the power cord plugged securely into the outlet? • Turn off the power and then turn it back on.
Playback does not start.	• Check the region number of the DVD. DVD discs purchased from abroad may not be playable. • CD-ROMs and DVD-ROMs cannot be played on this DVD player. • Make sure that the rating level is correct.
The remote control does not work.	• Is the remote control being operated within its operation range of angle and distance? • Are the batteries exhausted?
Playback does not start immediately when the Play/Pause button is pressed.	• Are you using a deformed disc or a disc with scratches on the surface? • Wipe the disc clean.
Sound is not produced.	• No sound is heard during fast playback, slow playback, and step motion playback. • Are the speakers connected properly? Is the speaker setup correctly customized? • Is the disc severely damaged?
Picture does not appear, sound is not produced, or the disc tray opens 2 to 5 seconds later.	• Was the DVD player suddenly moved from a cold place to a warm one? When condensation forms inside the player, remove the disc and let the player stand for 1 or 2 hours with the power on. (You can use the player again after condensation disappears.)
• Disc is rotating but no picture is produced. • Picture quality is poor and picture is shaking.	• Is the TV power on? • Are the video cables connected properly? • Is the disc dirty or damaged? • A poorly manufactured disc may not be playable.

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Notes on Discs

Check/Remedy
• Audio language and subtitles will not work for DVDs not containing them. And depending on the disc, they may work differently.
• Are you using a disc that does not contain menus?
• You can play 16:9 DVDs in 16:9 WIDE mode, 4:3 LETTER BOX mode, or 4:3 PAN SCAN mode, but 4:3 DVDs can be seen in 4:3 ratio only. Refer to the DVD disc jacket and then select the appropriate function.
• The TAPE function has not been selected. • The cassette has not been inserted correctly. • The cassette player has not been closed. • The tape is either slack or broken.
• The audio heads are dirty. • The rollers or drive capstans are dirty. • The tape is worn.
• Is the antenna connected properly? • If the antenna's input signal is weak, install an external FM antenna in an area with good reception.
• Turn off the power and hold the **STOP** button on the main unit for longer than 5 seconds. Using the RESET function will erase all stored settings. Do not use this unless necessary.
• While the player is in "**NO DISC**" mode, hold the main unit's **TUNING MODE/** ■ button for longer than 5 seconds. "INITIAL" appears on the display and all settings will return to the default values. • Press the POWER button. **Using the RESET function will erase all stored settings.** **Do not use this unless necessary.**

Disc Recording Format

CD-R Discs

- Depending on the disc recording device (CD-Recorder or PC) and the condition of the disc, some CD-R discs may not be playable.
- Use a 650MB/74 minute CD-R. Avoid CD-R media, as they may not be playable.
- If possible, do not use CD-RW (Rewritable) media, as they may not be playable.
- Only the CD-Rs that are properly "closed" can be fully played. If the session is closed but the disc is left open, you may not be able to fully play the disc.

CD-R MP3 Discs

- Only CD-R discs with MP3 files in ISO 9660 or Joliet format can be played.
- MP3 file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- If the name of a file is in Korean, the name will be displayed on the TV screen in Korean and * will be shown in the display of the main unit.
- Use discs recorded with a compression/decompression data rate greater than 128Kbps.
- Only files with the ".mp3" and ".MP3" extensions can be played.
- Only a consecutively written Multisession disc can be played. If there is a blank segment in the Multisession disc, the disc can be played only up to the blank segment.
- If the disc is not closed, it will take longer to begin playback and not all of the recorded files may be played.
- For files encoded in Variable Bit Rate (VBR) format, i.e. files encoded in both low bit rate and high bit rate (e.g., 32Kbps ~ 320Kbps), the sound may skip during playback.
- If more than 500 tracks are recorded on a single CD, a maximum of 500 tracks can be played.
- If more than 300 folders are recorded on a single CD, a maximum of 300 folders can be played.

What is MP3?
MP3 is short for MPEG-1 Audio Layer 3 and MPEG is an acronym for Moving Pictures Experts Group. MP3 is a file format with compression ratio of 1:12 (128 Kbps*) That is, you can use MP3 format to record about 12 times the usual amount of data on a regular CD.

CD-R JPEG Discs

- Only files with the ".jpeg" and ".JPEG" extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- JPEG file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Only a consecutively written multisession disc can be played. If there is a blank segment in the multisession disc, the disc can be played only up to the blank segment.
- A maximum of 9,999 images can be stored on a single CD.
- When playing a Kodak/Fuji Picture CD, only the JPEG files in the picture folder can be played.
- Picture discs other than Kodak/Fuji Picture CDs may take longer to start playing or may not play at all.

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n Terminology

some DVD discs are scenes which have been simultaneously shot of different angles (the same scene is shot from the front, from the ght , etc.). s, the Angle button can be used to change the angle of view for s.
s are recorded on DVD discs. A Title is subdivided into many of which is numbered, and specific parts of the video can be ly using these numbers.
optical disc on which high-quality pictures and sound have been eans of digital signals. Incorporating a new video compression PEG-2) and high-density recording technology, a DVD disc 0.6 mm thick discs bonded together.
r Pulse Code Modulation - another name for digital audio.
d on a video CD (version 2.0). Selected scenes or information can n the menu displayed on the TV monitor.
player and DVD discs are encoded with a region number. mber on the DVD disc does not correspond to the region number yer, the player cannot play the disc.
earing at the bottom of the screen. A DVD disc can contain up to guages.
s are recorded on DVD discs. When a disc contains two or more movies are numbered as Title 1, Title 2, etc.
s are assigned to the tracks which are recorded on video and ey enable specific tracks to be located quickly.
dings of pictures and sound whose quality is roughly comparable tape. o supports video CDs with playback control (version 2.0).
nnel Digital Surround sound reproduced from DVDs and LDs digital signals (with DIGITAL disc marking). With better sound quality, , and directionality than traditional Dolby surround technology, you amic, realistic sound.

Specifications

RADIO	
AM (MW)	
Signal/noise ratio	40 dB
Usable sensitivity	60 dB
Total harmonic distortion	2 %
FM	
Signal/noise ratio	55 dB
Usable sensitivity	10 dB
Total harmonic distortion	0.6 %
COMPACT DISC PLAYER	
Capacity	3 discs
Frequency range	20 Hz - 20 KHz (± 1 dB)
Signal/noise ratio	85 dB (at 1 KHz) with filter
Distortion	0.05 % (at 1 KHz)
Channel separation	75 dB
Disc sizes	Diameter: 120 or 80 mm. Thickness: 1.2 mm
TAPE	
Frequency range	125 Hz ~ 10 KHz
Signal/noise ratio	40 dB
Channel separation	30 dB
Erasing effect	50 dB(without filter)
AMPLIFIER	
Output power	
Speaker(6 Ω)	35W/CH RMS,IEC (total harmonic distortion: 10 %)
Channel separation	40 dB
Signal/noise ratio	75 dB
GENERAL	
\Dimensions	384(D) x 332 (H) x 270 (W) mm

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re Supported Player

Type
Digital Camera
Digital Camera
Digital Camera